

... .. // ... :
... 42. - ... - ... 2007. - ... 296-301.

624.012.45:620.17

... , ... , ...

, ...

,

,

... , [1],

:

,

' ...

Summary. We not figure to speak of negative influence of the noise on organism of the people. About this is already written plenty of. We, continuing themes [1], negative quite other problems: we research negative, destructive influence of the town noise on lifeless objects.

,

.

,

-

"

",

,

!

-

.

,

,

.

.- 42. - . - . . // , 2007. - . 296-301. :

, ,

.

, ,

. « »

[2]

,

,

();

, [3]

: «... " "

80 . 130

, 150 - . 180

, 190

...».

,

, [3].

- ,

. ,

. , ,

.

.

(), '

(),

. (),

, ,

.

, (50 75%).

, '

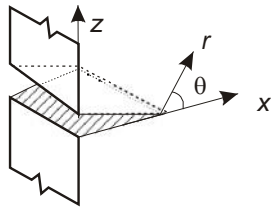
1% .

,

45 .

... .. // , :
 . 42. – . – . ∴ , 2007. – . 296-301.

,
 .
 , x z , (. 1).



. 1. ,

(r,θ) ,

$$\sigma_{\varphi} = P(\rho) \Theta_{\varphi}(\theta) \tag{1}$$

, $\theta = \pm\pi,$
 ,
 ,

$$R(r) = r^{\frac{n}{2}} \tag{2}$$

n - , . , n

,
 ,

$n=1,$ i

-1/2.

$$_{ij} = \frac{K}{\sqrt{2\pi}} \Theta_{ij}(\theta) \tag{3}$$

, $\sqrt{2\pi}$ - , .

$K,$

,

.

.

42. – , – // , 2007. – . 296-301.

$$i, \sigma_\infty, K$$

$$2x, \tag{3}$$

$$i, \Theta_{ij}(\theta), K = \sqrt{\pi x} \sigma_\infty \tag{4}$$

$$j, r=0,$$

$$K, K_{\max}$$

$$K_{\min}, K = K_{\max} - K_{\min} \tag{5}$$

$$x, \Delta x:$$

$$x = \begin{cases} C(\Delta K)^m & \text{for } \Delta K > \Delta K_0 \\ 0 & \text{for } \Delta K < \Delta K_0 \end{cases} \tag{6}$$

$$i - C, m, K_0$$

$$a, a, b$$

... .. // ... :
 ... 42. – ... – ... 2007. – ... 296-301.

: – , 2b –

...

,

,

.

,

.

i

'

,

,

,

–

.

,

da/d i .

'

,

,

,

,

.

,

,

.

(4),

K

.

, – (

,

,

S),

,

, (4)

:

$$K = \sqrt{\pi x} g'(x) S = g(x) S, g(x) = g'(x) \sqrt{\pi x} \quad (7)$$

(7), $g(x)$ –

,

.

,

[4].

$g(x)$.

(7) (6)

:

42. – , – // , 2007. – . 296-301.
- $$x = \begin{cases} Cg(x)^m S^m & \text{for } S > S_0(x) = \frac{\Delta K_0}{g(x)} \\ 0 & S < S_0(x) \end{cases} \quad (8)$$
- : $x_1, x_2, x_3, \dots, x_i, \dots$
- x_0 , x_f
- η :
- $$= \frac{x - x_0}{x_f - x_0} = \frac{\Delta x}{x_f - x_0} \quad (9)$$
- () ,
1. . . //
38. , 2006. - . 151-154.
- 2 : . / . . . - 3- . - .:
- ., 1986. - 192 .
3. <http://forum.radeon.ru/viewtopic.php?p=298265>
: Radeon.ru.
4. H.E.Boyer, editor, "Atlas of Fatigue Curves," American Society for Metals, Metals Park, Ohio 44073, 1986.